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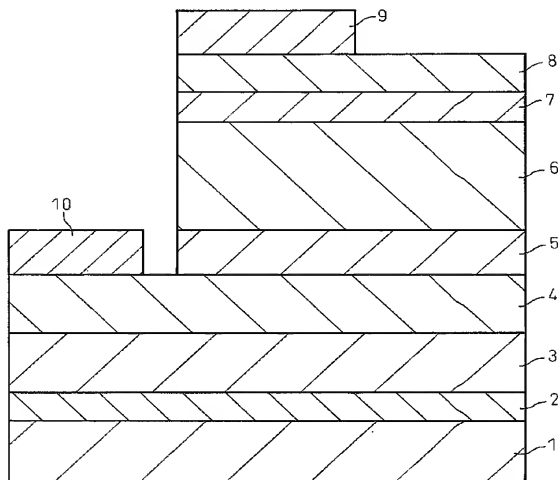
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(54) Title: GROUP III NITRIDE SEMICONDUCTOR DEVICE AND LIGHT-EMITTING DEVICE USING THE SAME



(57) Abstract: An object of the present invention is to provide a Group III nitride semiconductor device exhibiting improved crystallinity and a good performance. The inventive Group III nitride semiconductor device comprises a substrate, and a plurality of Group III nitride semiconductor layers provided on the substrate, wherein a first layer which is in contact with the substrate is composed of silicon-doped Al_xGa_{1-x}N (0 ≤ x ≤ 1). Also, the inventive Group III nitride semiconductor device comprises a substrate, and a plurality of Group III nitride semiconductor layers provided on the substrate, wherein a first layer which is in contact with the substrate is composed of Al_xGa_{1-x}N (0 ≤ x ≤ 1), and the difference in height between a protrusion and a depression which are present at the interface between the first layer and a second layer provided thereon is 10 nm or more and is equal to, or less than, 99% the thickness of the first layer.

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